

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

**SUBJECT:** General Motors Corporation Powertrain Group  
EPA ID No. VAD 091 222 588  
Final Agency Determination

**FROM:** Jennifer Shoemaker (JS)

**TO:** Robert Greaves

**DATE:** 8/31/99

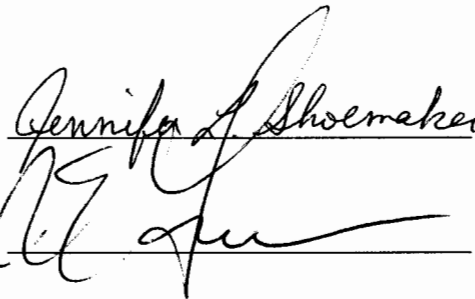
Included in this package are documents supporting the final agency determination that no further corrective action is necessary at the General Motors Corporation Powertrain Group located in Fredericksburg, Virginia. The Statement of Basis describes the corrective action activities of the facility, as well as the location of the Administrative Record.

A notice was published in a local newspaper detailing the proposed agency decision and the appropriate contacts to allow the public to comment. The 45-day public comment period ended on August 30, 1999 and no comments were received during that time.

Please sign this memo to indicate your concurrence of the final agency determination.

Thank you.

Jennifer Shoemaker



Date 8/31/99

Robert Greaves



Date 8-31-99

# **STATEMENT OF BASIS**

## **General Motors Powertrain Group Facility Fredericksburg, Virginia**

EPA ID No. VAD 091 222 588

### **I. Introduction**

This Statement of Basis is for General Motors (GM) Powertrain Group facility in Fredericksburg, Virginia (hereafter called the "facility"). After a thorough site inspection of the facility, and an evaluation of past remediation practices, the Environmental Protection Agency (EPA) believes that no further corrective action is necessary at GM Powertrain Group facility at this time. The purpose of this document is to solicit public comment on the proposal that no further corrective action is required at GM Powertrain Group at this time.

GM Powertrain Group facility is subject to an EPA program promulgated under the Hazardous and Solid Waste Amendments (HSWA) of the Resource Conservation and Recovery Act, 42 U.S.C. Sections 6901, et seq. This program is generally known as "Corrective Action" and is designed to ensure that facilities subject to HSWA have investigated and cleaned up any releases of hazardous waste or constituents that may have occurred at their property. Although not a permitting program per se, EPA uses the administrative procedures found in 40 CFR Part 270 to finalize decisions under the HSWA statute.

### **II. Facility Background**

The GM Powertrain Group facility is located in Fredericksburg, Spotsylvania County, Virginia along Route 17 and the site is situated on a 76.5 acre parcel of land. The Fredericksburg-Spotsylvania National Military Park is located southwest of the facility while the Fredericksburg Country Club is to the northeast. The remaining area immediately surrounding the facility is zoned for industrial use. The areas to the south and northeast are residential areas.

The GM Powertrain Group facility was purchased by General Motors Corporation in 1978 and was previously known as the Delco Moraine Division Fredericksburg Plant, General Motors Corporation. The facility manufactures torque converter clutches for use in other GM plants and the automotive industry. It is currently classified as a Conditionally Exempt Small Quantity Generator.

### **III. Summary of Facility Areas**

A total of fifty (50) potentially contaminated areas at the GM facility were identified during a site inspection conducted by Virginia Department of Environmental Quality (VDEQ) on June 30, 1998. (See Attachments 1,2&3 for unit locations) Solid Waste Management Units

(SWMUs), Hazardous Waste Management Units (HWMUs) and Areas of Concern (AOCs) that were identified at the facility are listed in Table 1 below:

Table 1 - Descriptions of Units

UNIT	DESCRIPTION
HWMU 1 / SWMU 1	Ajax Sludge Container Storage Area No. 1
HWMU 2 / SWMU 2	Ajax Sludge Container Storage Area No. 2
SWMU 3	Ajax Sludge Waste Pour Station No. 1
SWMU 4	Ajax Sludge Waste Pour Station No. 2
SWMU 5	Ajax Sludge Hopper Staging Area
SWMU 6	30 cubic yard Roll-Off Container for Ajax Sludge
SWMU 7	30 cubic yard Roll-Off Container for the Industrial Wastewater Treatment Plant Sludge
SWMU 8	30 cubic yard Roll-Off Container for the Industrial Wastewater Treatment Plant Sludge
SWMU 9	Pangborn metal shot deburring machine waste
SWMU 10	Process washers
SWMU 11	Metal Press Area reject/scrap hopper
SWMU 12	Old Style Process Washer in the Metal Press Area
SWMU 13	New Style Process Washers in the Metal Press Area
SWMU 14	Scrap Metal Pit with Vibrating Conveyor in the Metal Press Area
SWMU 15	Metal Phosphating Area
SWMU 16	Hydromation Unit for the Metal Surface Preparation Process Using a Metal
SWMU 17	Baghouse Units for the waste from the paper-backed carbon abrasive ring attachment process
SWMU 18	Oil Drip Pans from Rivet Upset Stations
SWMU 19	"Smog-Hog" Air Filter in the Welding Station in the Plant Maintenance/Fabrication Area
SWMU 20	Steam Clean Booth
SWMU 21	Magnetic Conveyor
SWMU 22	Two Scrap Metal Trailers
SWMU 23	Cardboard Dumpster
SWMU 24	Returned Clutch Station

SWMU 25	Oily Wastewater Sump in Pretreatment
SWMU 26	Acid/Alkali Wastewater Sump in Pretreatment
SWMU 27, 28	Industrial Wastewater Treatment Plant Pretreatment Chemical Storage Tank Area and Sludge Treatment Facility - Sludge Conditioning Tank (27), Plate & Frame Filter Press (28)
SWMU 29	Asbestos Bag House
SWMU 30	Asbestos Waste Container Storage
SWMU 31	Compactor and Waste Roll-off
SWMU 32	Three Large Industrial Waste Roll-offs
SWMU 33, 34	Two Acid/Alkali Wastewater Treatment Holding Tanks (150,000 gallons each)
SWMU 35	Blend/Flocculation Tank (20,000 gallons)
SWMU 36	Clarifier (220,000 gallons)
SWMU 37, 38	Sludge Thickeners (18,000 gallons each)
SWMU 39	CPI Oil Separator
SWMU 40, 41	Two Oily Wastewater Treatment Tanks (50,000 gallons each)
SWMU 42, 43	"Free Oil" and "Skim Oil" Used (Waste) Oil Tanks (5,000 gallons each)
SWMU 44	WTP Blend/Flocculation Tank (20,000 gallons)
SWMU 45	WTP Clarifier (220,000 gallons)
SWMU 46	Sump and drain of Chemical Loading Station
SWMU 47	Wastewater Lift Station
SWMU 48	Trichloroethylene Still in QA/QC lab
SWMU 49	Safety Kleen Parts Washer
AOC 1	Site of two x 20,000 gallon former underground fuel tanks

"Ajax Sludge" is a term used for the waste generated at the facility and was determined to be nonhazardous by EPA and DEQ.

#### IV. Release History

EPA, in coordination with the Virginia Department of Environmental Quality (VDEQ), has researched this Facility by performing a file review and site survey to identify possible releases to the environment. As a result of this search, there were no records of releases from any units causing unacceptable threats to human health or the environment. Two drum storage pad areas (SWMUs 1 and 2) were certified "clean closed" by the VDEQ on February 27, 1996. "Clean closure" is a term that is used to define the process of completely removing all waste that was treated, stored, or disposed in a hazardous waste unit.

AOC 1 was the former site of a 100,000 gallon above ground tank that was used to store No. 2 fuel oil. This tank was removed and GM sampled the soil around the fuel lines and under the area covered by the tank to determine if there had been any releases associated with the unit. No petroleum hydrocarbon contamination was found in the soil samples and the site was deemed "clean closed" by Virginia's DEQ Above Ground Storage Tank Program on March 11, 1997. There were no documented releases associated with this area.

There are four media through which humans could possibly be exposed to potential releases from units at this Facility:

- Air: There are no documented observed, unpermitted, or ongoing air releases at the Facility from any of the units known to EPA at this time.
- Groundwater: Currently there is no known or reasonable suspected contamination to the groundwater from any of the units at the Facility.
- Surface Water: There are no surface water pathways in close proximity to any of the units at the Facility. Currently, there is no known or reasonable suspected contamination to the surface water.
- Soil: Currently there is no known or reasonable suspected contamination to the soil from any of the units at the Facility.

Based on the review of all available resources and a thorough site inspection, EPA is proposing that no further corrective action be required at this time at the GM Powertrain Group facility located in Fredericksburg, Virginia.

## **V. Public Participation**

EPA is requesting comments from the public on its proposal that no corrective action will be required at this facility. The public comment period will last forty-five (45) calendar days from the date that this matter is publicly noticed in a local newspaper (July 15 to August 30, 1999). Comments may be sent to EPA in writing at the EPA address listed below, and all commentors will receive a copy of the final decision and a copy of the response to comments.

A public meeting will be held upon request. Requests for a public meeting should be made to Mr. Michael Jacobi of the EPA Regional Office at the address below or at (215) 814-3435.

The Administrative Record contains all information considered by EPA when making this proposal to not require corrective action at this facility at this time. The Administrative Record is available at the following locations:

U.S. Environmental Protection Agency  
Region III  
1650 Arch Street - 3WC23  
Philadelphia, PA 19103-2029  
Contact: Mr. Michael Jacobi  
Voice: (215) 814-3435  
Fax: (215) 814-3113  
Hours: Mon-Fri, 9:00 AM - 5:00 PM  
E-mail: jacobi.mike@epa.gov (ASCII text only)

Fredericksburg Library  
1201 Caroline Street  
Fredericksburg, VA 22401  
(540) 372-1144  
Contact: Ms. Sue Willis - Reference Department  
Hours: Mon. - Thurs., 9:00 AM - 9:00 PM  
Fri. - Sat. 9:00 AM - 5:30 PM

Virginia Department of Environmental Quality  
Northern Regional Office  
13901 Crown Court  
Woodbridge, VA 22193  
Contact: Jon Terry  
Voice: (703) 583-3800  
Fax: (703) 583-3801  
Hours: Mon-Fri, 9:00 AM - 5:00 PM

Following the forty-five (45) calendar day public comment period, EPA will prepare a final decision which will address all written comments and any substantive comments presented verbally at a public meeting. This final decision will be incorporated into the Administrative Record. If the comments are such that significant changes are made to the proposal that no further action is needed at this time at this facility, EPA will seek public comments on the revised proposal.